Essentials
IP Mini-Dome Camera with IR

Features That Make a Difference:

- 1080p resolution for HD images

- Manage bandwidth resources with H.264 and H.265 dual-stream encoding

- Up to 30 frames per second for seamless video streaming

- IP67 environmental rating to protect against dust and water

- 3.6mm fixed lens continuously monitors areas of interest

- IR Illuminators deliver clear video when viewing dark scenes

- True Day/Night functionality for quality video recording in low light conditions

- Wide Dynamic Range to simultaneously view high-contrasting areas

Meet a Variety of Recording Requirements at a Low Cost

The Illustra Essentials 2MP IR Mini-Dome camera offers the latest compression technologies by supporting both H.265 and H.264 codecs resulting in reduced bandwidth and storage requirements. The Mini-Dome is able to be configured in resolutions ranging from 1080P to CIF to support a variety of recording environments.

Rated IP67 for an additional degree of environmental protection, the Mini-Dome exceeds previous generations of Illustra Essentials cameras. The affordable cameras capture video in a variety of lighting conditions with features such as True Day/Night and Wide Dynamic Range.

Record Video with Low Light Clarity
Poor low-light performance by megapixel cameras hampers some of the most important tasks security professionals need to perform. Cameras that fail in low light clarity negatively impact both the necessary functions of security and cost of ownership.

The sensitive processor and sensor combination on the Essentials 2MP IR

Mini-Dome switches the camera automatically between color and black and white mode in a feature known as True Day/Night. Regardless of the ambient illumination level, the camera is able to maintain crystal clear images in low light scenarios.

Balance Images with Wide Dynamic Range
The difference in extreme lighting within a scene is known as dynamic range. Cameras with the Wide Dynamic Range functionality have special software that allows them to balance foreground and background lighting for one clear image. This makes them ideal for recording areas like store entrances where the contrast between the sunshine outside and the dim lighting inside can be extremely difficult to record.

The Illustra Essentials 2MP IR Mini-Dome camera takes advantage of the latest pixel-by-pixel dynamic range offered today. Maintain facial details with whole scene clarity by working within the megapixel lens to enhance the precision of the images for a high-resolution HD solution that excels in an array of challenging lighting conditions.

Specifications

	2MP
Camera	
Imager	1/3"
Resolution	1920 x 1080
Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	Color: 0.08Lux/F2.0; 0Lux/F2.0 (IR on)
S/N Ratio	More than 45dB
Analog Video Output	N/A
Camera Features	
IR Illuminator	30m
Day/Night	Mechanical ICR
Backlight Compensation	Yes
Wide Dynamic Range	WDR
White Balance	Auto/Manual
Gain Control	Auto/Manual
Digital Noise Reduction	3D
Privacy Zones	Up to 4 areas
Lens	
Focal Length	3.6mm Fixed
Max Aperture	F2.0
Focus Control	Fixed
Angle of View	H: 110°/83° V: 56°/44°
Video	
Video Compression	H.265/H.264
Resolutions	1080p (1920 x 1080); 720p (1280 x 720); D1 (704 x 576/704 x 480); CIF (352 x 288/352 x 240)
Max Frame Rate	Main Stream: 1080p/720p (30ips) Sub Stream: D1/CIF (30ips)
Audio	N/A
Network	
Ethernet	RJ-45 (10/100Base-T)
Wi-Fi	N/A
Supported Protocols	IPv4/IPv6, HTTP, TCP/IP, UDP, UPnP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, QoS
ONVIF-compliant	ONVIF Profile S
Auxiliary Interface	
Onboard Storage	N/A
Alarm Input/Output	N/A
General	
Power Supply	DC12V, PoE (802.3af)
Power Consumption	<4.12W
Operating Temperature	-30°C to +55°C (-22°F to +131°F)
IP Rating	IP67
Vandal Resistant	N/A
Dimensions	108mm x 84mm (4.25in x 3.31in)
Menu Languages	Chinese (simplified), Dutch, English (default), French, German, Italian, Portuguese, Spanish
Weight	0.25kg (0.55lb)

Model	Description
IES02CFBCWIYB	Illustra Essentials 2MP mini-dome, 3.6mm, outdoor, nonvandal, clear, white, TDN w/IR, WDR

*This product is subject to certain restrictions on procurement, use, funding or contracting by the United States federal government as set forth in Section 889 (Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019.

ILLUSTRA CAMERA MODEL KEY											
ILLUSTRA	SERIES	MODEL	RESOLUTION	FORM FACTOR	LENS	ENVIRONMENT HOUSING	BUBBLE	COLOR	DAY/NIGHT/IR	WDR	OTHER
I	E = Essentials	L = Lite	01 = 1MP	B = Bullet	N = None	N = None	N = None	B = Black	C = Color Only	N = No	A = Hardware Update
	F = Flex	P = Plus	02 = 2MP	C = Compact Dome	F = Fixed	A = Indoor NonVandal	C = Clear	W = White	I = TDN w/IR	T = Multi-Exposure (>60 Frames)	1 = 2.6mm
	P = Pro	S = Standard	03 = 3MP	D = Dome	0 = 1.8—3mm	B = Outdoor NonVandal	S = Smoked		S = Soft Day/Night	Y = Yes	2 = 2.8mm
	Q = Edge		05 = 5MP	F = Fisheye	1 = 2.8—12mm	I = Indoor Vandal			T = TDN		3 = 3.7mm
			08 = 8MP	H = Micro	2 = 3—9mm	O = Outdoor Vandal					
			12 = 12MP	M = Mini-Bullet	3 = 9—22mm						
				P = PTZ	5 = 20x						
				X = Box	6 = 30x						

Optional Mini-Dome Accessories		
Model	PFA121	PFB204W
Description	Junction Box	Wall Mount
Dimensions	134mm x 134mm x 55mm (5.28in x 5.28in x 2.16in)	160mm x 120mm x 74mm (6.30in x 4.72in x 2.91in)
Weight	0.55kg (1.21lbs)	0.49kg (2.20lbs)

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